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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/769,764	02/03/2004	Daniel Kerek	P65288US1	8903

136 7590 11/02/2006

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EXAMINER	
IQBAL, KHAWAR	

ART UNIT	PAPER NUMBER
2617	

DATE MAILED: 11/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/769,764	KEREK, DANIEL	
	Examiner	Art Unit	
	Khawar Iqbal	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *03* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *17 April 2006*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *4-10* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *4-10* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 10/19/06
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 4-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Bi et al (US 5835848).

3. Regarding claim 4 Bi et al teaches a apparatus for determining the stability margin, with respect to a possible self-oscillation, in a radio frequency repeater operating with a predetermined delay between an input and an output and having a feedback path between said output and said input, comprising (figs. (1-4)

at least one sensing element connected to at least one of said input and said output of the repeater (col. 1, lines 32-42, col. 3, lines 1-62), and

at least one measurement receiver connected to said at least one sensing element for measuring at least an output signal from said repeater, on the basis of which the stability margin is calculated (col. 1, lines 32-42, col. 3, lines 1-62).

Regarding claim 5 Bi et al teaches wherein said at least one sensing element comprises at least one directional coupler (col. 1, lines 32-42, col. 3, lines 1-62).

Regarding claim 6 Bi et al teaches wherein two directional couplers are connected to a single measurement receiver via a switch for alternating measurement of the signals at the output and the input, respectively (col. 1, lines 32-42, col. 3, lines 1-62).

Regarding claim 7 Bi et al teaches wherein: said measurement receiver is connected to a control unit for controlling the gain of said repeater (col. 1, lines 32-42, col. 3, lines 1-62).

Regarding claim 8 Bi et al teaches wherein: said measurement receiver is connectable, via a modem, to a central operational monitoring unit, whereby the measurements and calculations for determining said stability margin can be made by remote control (col. 1, lines 32-42, col. 3, lines 1-62).

Regarding claim 9 Bi et al teaches wherein: a band pass filter is inserted between said sensing element and said measurement receiver (col. 1, lines 32-42, col. 3, lines 1-62).

Regarding claim 10 Bi et al teaches a repeater system, including a radio frequency repeater of the kind having two antennas and the two links there between, said two links comprising an uplink for amplifying signals from a mobile telephone to a base station and a downlink for amplifying signals from said base station to said mobile telephone, said repeater (col. 1, lines 32-42, col. 3, lines 1-62).

4. Claims 4-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Pravitz et al (US 6009324).

5. Regarding claim 4 Pravitz teaches a apparatus for determining the stability margin, with respect to a possible self-oscillation, in a radio frequency repeater operating with a predetermined delay between an input and an output and having a feedback path between said output and said input, comprising (figs. 1-2)

at least one sensing element connected to at least one of said input and said output of the repeater (col. 1, lines 7-21, col. 3, lines 34-60, col. 4, lines 37-62), and

at least one measurement receiver connected to said at least one sensing element for measuring at least an output signal from said repeater, on the basis of which the stability margin is calculated (col. 1, lines 7-21, col. 3, lines 34-60, col. 4, lines 37-62).

Regarding claim 5 Pravitz teaches wherein said at least one sensing element comprises at least one directional coupler (col. 1, lines 7-21, col. 3, lines 34-60, col. 4, lines 37-62).

Regarding claim 6 Pravitz teaches wherein two directional couplers are connected to a single measurement receiver via a switch for alternating measurement of the signals at the output and the input, respectively (col. 1, lines 7-21, col. 3, lines 34-60, col. 4, lines 37-62).

Regarding claim 7 Pravitz teaches wherein: said measurement receiver is connected to a control unit for controlling the gain of said repeater (col. 1, lines 7-21, col. 3, lines 34-60, col. 4, lines 37-62).

Regarding claim 8 Pravitz teaches wherein: said measurement receiver is connectable, via a modem, to a central operational monitoring unit, whereby the

measurements and calculations for determining said stability margin can be made by remote control (col. 1, lines 7-21, col. 3, lines 34-60, col. 4, lines 37-62).

Regarding claim 9 Pravitz teaches wherein: a band pass filter is inserted between said sensing element and said measurement receiver (col. 1, lines 7-21, col. 3, lines 34-60, col. 4, lines 37-62).

Regarding claim 10 Pravitz teaches a repeater system, including a radio frequency repeater of the kind having two antennas and the two links there between, said two links comprising an uplink for amplifying signals from a mobile telephone to a base station and a downlink for amplifying signals from said base station to said mobile telephone, said repeater (col. 1, lines 7-21, col. 3, lines 34-60, col. 4, lines 37-62).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khawar Iqbal whose telephone number is 571-272-7909.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Khawar Iqbal

JOSEPH FEILD
SUPERVISORY PATENT EXAMINER